PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY						
To: ADRIANE M. ANTLER JONES DAY		PCT				
222 EAST 41ST STREET NEW YORK, NY 10017-6702	* *	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
		(PCT Rule 43 <i>bis</i> .1)				
	Date of mailing (day/month/year)	23 NOV 2009				
Applicant's or agent's file reference	FOR FURTHEI	FOR FURTHER ACTION See paragraph 2 below				
9301-251-228 International application No. International filin	ng date (day/month/year)	(day/month/year) Priority date (day/month/year)				
PCT/US05/07894 07 March 2005 (International Patent Classification (IPC) or both national cla		05 March 2004 (05.03.2004)				
IPC(7): C12Q 1/68 and US C1.: 435/6 Applicant						
	·.·					
ROSETTA INPHARMATICS LLC						
1. This opinion contains indications relating to the followi	ng items:					
Box No. I Basis of the opinion		·				
Box No. II Priority						
Box No. III Non-establishment of opinion	with regard to novelty, inve	entive step and industrial applicability				
Box No. IV Lack of unity of invention						
Box No. V Reasoned statement under Rule 43 bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain documents cited						
Box No. VII Certain defects in the internation	Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the inte	Box No. VIII Certain observations on the international application					
2. FURTHER ACTION						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA/220.						
	completion of this opinion	Authorized office June Shrip				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents 24 Septer	mber 2005 (24.09.2005)	James Martinell				
P.O. Box 1450						
Facsimile No. (571) 273-3201 Telephone No. (571) 272-0719						

Form PCT/ISA/237 (cover sheet) (April 2005)

Adr.

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/07894

2. With r	the international application in	n has been established on the basis of: the language in which it was filed pplication into, which is the language of a translation furnished for the purpor
2. With r	a translation of the international ap	* *
2. With r		pprocessor and, which is the language of a sanishation fathbolice for the parp
2. With r		
1	egard to any nucleotide and/or ar ion, this opinion has been establish	nino acid sequence disclosed in the international application and necessary to the ned on the basis of:
a.	type of material	•
	a sequence listing	
	table(s) related to the sequen	nce listing
	: : :	• • •
b.	format of material	•
	on paper	·
	in electronic form	
	• ••	te.
c.	time of filing/furnishing	
	contained in the internation	al application as filed.
:	filed together with the inter	national application in electronic form.
		is Authority for the purposes of search.
	·	
	or furnished, the required stateme	han one version or copy of a sequence listing and/or table(s) relating thereto has be ents that the information in the subsequent or additional copies is identical to that beyond the application as filed, as appropriate, were furnished.
4. Additio	nal comments:	
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/07894

The q indust	uestions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be trially applicable have not been examined in respect of:
\Box	the entire international application .
\exists	claims Nos. 12-32 and 42-87
	Claims Nos. 12-32 and 42-67
ecau	ise:
	the said international application, or the said claim Nos relate to the following subject matter which does not require
	an international search (specify):
	the description, claims or drawings (indicate particular elements below) or said claims Nos. 12-32 and 42-87 are so unclear to meaningful opinion could be formed (specify):
	Claims 12-32 and 42-87 refer to one or more Tables in the specification and so do not comply with PCT Rule 6.2(a).
_	
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be
	formed (specify):
	$\epsilon_{ij} = \epsilon_{ij} + \epsilon_{ij}$
_	
⅃	no international search report has been established for said claims Nos.
7	C. C. C. Carlotta and C. Camada mishans sha accurate limitan sha and limit as did not mishin sha
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	furnish a sequence listing in electronic form complying with the standard provided for in Annex C of
	the Administrative Instructions, and such listing was not available to the International Searching
	Authority in a form and manner acceptable to it.
	pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b).
	a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.
	the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
7 5	See Supplemental Box for further details.
	SA/237 (Box No. III) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/07894

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Staten	nent .			
	Novelty (N)	(Claims NONE	YES
		. (Claims <u>1-11 and 33-41</u>	NO
	Inventive step (IS)	(Claims <u>NONE</u> Claims <u>1-11 and 33-41</u>	YES
	Industrial applicability (IA)		Claims 1-11 and 33-41 Claims NONE	YES

2. Citations and explanations:

Claims 1-11 and 33-41 lack novelty under PCT Article 33(2) as being anticipated by either one of van't Veer et al (Nature 415: 530 (2002)) or Rosetta Inpharmatics Inc. (WO 02/103320 A2 (27.December 2002)). Each of the references teaches the correlation of breast cancer with the gene BRCA1 and fürther uses statistical tools to refine prognoses and treatment options by classifying patients according to gene expression patterns correlated with BRCA1 expression. Thus, the claims embrace the methods of either reference.

Claims 1-11 and 33-41 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.



Form PCT/ISA/237 (Box No. V) (April 2005)

NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended:

During the international phase, the claims may also be amenced (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, he adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220

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